

-10-

CLAIMS:

1. A method of producing polymeric filaments or fibres from a polymer, the method including the steps of:
 1. adding from 1% to 4% w/w of a linear low-molecular weight polymer to the polymer to be processed prior to extrusion; and
 2. extruding the mixture so formed.
2. A method according to claim 1, wherein the linear low-molecular weight polymer has a chain length of C_{30} to C_{1000} .
3. A method according to claim 2, wherein linear low-molecular weight polymer typically has a chain length of C_{80} to C_{120} .
4. A method according to claim 2, wherein the linear low-molecular weight polymer is a wax.
5. A method according to claim 4, wherein the wax produced by the Fischer-Tropsch process.
6. A method according to claim 5, wherein the wax has an initial boiling point of at least 300°C at 101.3kPa.
7. A method according to claim 1, wherein the linear low-molecular weight polymer is melt blended or simply mixed with the polymer to be processed prior to the extrusion step.
8. A polymeric filament or fibre containing from 1% to 4% w/w linear low-molecular weight polymer having a chain length from C_{30} to C_{1000} .
9. A polymeric filament or fibre according to claim 8, wherein the linear low-molecular weight polymer has a chain length of C_{80} to C_{120} .

-11-

10. A polymeric filament or fibre according to claim 8, wherein the linear low-molecular weight polymer is a wax.
11. A polymeric filament or fibre according to claim 10, wherein the wax is produced by the Fischer-Tropsch process.
12. A polymeric filament or fibre according to claim 11, wherein the wax has an initial boiling point of at least 300°C at 101.3kPa.